

KUZMAK, Ye.M.; KURDIN, A.I.; YEFREMOVA, K.P.

Increasing the wear resistance of bits by hard facing. Trudy
MINKHOP no.24:156-169 '59. (MIRA 13:3)
(Boring machinery) (Hard facing)

KURDIN, A. P., SHOLIN, G. V.,

"New Methods of Plasma Diagnostics from Spectroscopic Data,"

report presented at the 6th Intl. Conf. on Ionization Phenomena in Gases,
Paris, France, 8-13 Jul 63

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927630003-1

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927630003-1"

KURDIN, B.A.

Mechanical dismantling of iron stators and rotors. Stroi. i dor.
mashinostr. no.11:36 N '56. (MLRA 9:12)
(Electric motors) (Machine-shop practice)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927630003-1

MYAKINNIKOV, N.A., kand.tekhn.nauk; KURDIN, G.K., inzh.; GRODETSKIY,
I.A., inzh.

Device for measuring slopes. Transp.strci. 8 no.4:30-31
Ap '58. (MIRA 12:12)
(Level(Tool))

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927630003-1"

KURDIN, K.

A policy of noninterference. Prom.koop. no.11:49-50 N '55.

(MLRA 9:5)

1. Zaveduyushchiy promyshlennno-transportnym otdelom Namanganskogo obkoma KP Uzbekistana.

(Namangan Province--Cooperative societies)

butadiene and styrene, or acrylonitrile in an organic solvent can be used in cementing rubber to metal in the course of vulcanization. This extends the assortment of bondable rubber types and may serve to improve bond strength. [VS]

ASSOCIATION: none

SUBMITTED: 21Dec62 ENCL: 00 SUB CODE: MT, OC

NO REF SOV: 000 OTHER: 000 ATD PPRESS: 3231

Card 1/1 *de*

KURDIN, N. S.

"The Plastic Condition and Stability of Rotating Discs in the Presence of Resisting Forces." Cand Phys-Math Sci, Inst of Mechanics, Acad Sci USSR, 16 Dec 54. (VM, 6 Dec 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)
SO: Sum. No. 556 Jun 24 55

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927630003-1

KURDIN, N.S. (Moskva)

Approximate solution of a problem related to the pure plastic state
of a disk. Izv.AN SSSR Otd.tekh.nauk no.8:117-119 Ag '56.(MIRA 9:9)
(Plasticity)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927630003-1"

KURDIH, N. S.

"Symmetrical Deformations of an Orthotropic Shell of Parabolic Profile," by N. S. Kурдин, Institute of Mechanics, Academy of Sciences USSR, Inzhenernyy Sbornik, Vol 23, 1956, pp 34-99

The problem concerning symmetrical deformations of an orthotropic shell of parabolic profile is examined. Two types of loading are studied: (a) a shell under tensile stresses uniformly distributed along its edges, and (b) a shell under the action of a uniform external pressure. The basic equation, its adaptation in the problems, and tables, graphs, and results are presented.

Sum 1239

FILE 1 BOOK REPORTS 207/4531

Abakalyev, S. S. [Editor]. *Earthquakes*. Institute of Geology, No. 26 (Geophysics Symposium, Vol. 26) Moscow, 1958. 208 p., 2,100 copies printed.

Speaker: Academician S. S. Abakalyev, author of book.

PURPOSE: This book is intended for engineers.

CONTENT: The book contains 20 articles dealing with problems of geotechnical mechanics, such as the calculation of stability and failure and solutions of problems to determine distribution and equilibrium, oscillation (Lamb's, Rayleigh's) and deformation of shells, equilibrium of shell panels, the and failure, stability of roofs, plates, foundations, dams, embankments, slopes, foundations, and buildings are discussed. Oscillations of aircraft wings are considered. Methods are recommended.

SLAVOV, L. P. [Editor]. *Compressions of an Elastic Plate Layer* [Received on 6/7/1958]. 128

Dobrits, E. S. [Reviewer]. *Stability of a Rectangular Plate Under a Localized Load with Various Boundary Conditions* [Received on 2/4/1956]. 139

Makarov, I. M. [Reviewer]. *Certain Problems Associated With the Calculation of Plates* [Received on 6/2/1955]. 147

SLAVOV, L. P. [Reviewer]. *Distribution of Shear Force in Shallow Foundations* [Received on 1/2/1956]. 216

Kolosovskiy, L. A. [Chairman]. *Statistical Method of Successive Approximation for Investigating Plastic Deformations of Brittle Plastic Soils Under a Complex Load* [Received on 1/2/1956]. 223

Aleksandrov, V. I. and V. I. Baranov [Reviewers]. *Stability and Oscillations of Plates by Integration* [Received on 4/17/1957]. 236

Mil'man, L. A. [Reviewer]. *Stability Calculations of Shallow Plates* [Received on 7/22/1954]. 252

Slavov, L. A. [Chairman]. *Transverse Stability of a Prismatic Oscillator With a Surface in a Triangular Section Under a Load in a Plane Perpendicular to the Plane of Symmetry* [Received on 4/9/1956]. 270

Dobrits, E. A. [Reviewer]. *Certain Generalizations of V. T. Vinogradov's Oscillation Theory of Thin-Section Soils* [Received on 2/4/1955]. 275

SLAVOV, L. P. [Reviewer]. *Orthogonal Polynomials With Arbitrary Roots* [Received on 4/7/1955]. 280

SLAVOV, L. P. [Reviewer]. *The Hypothesis Concerning Internal Resistance of Soil to Oscillations of Elastic Systems* [Received on 5/25/1952]. 285

ARMAND: Library of Congress

KURDIN, N. S.

AUTHOR: Kurdin, N. S. (Moscow).

24-2-18/28

TITLE: Contribution to the approximate solution of differential equations in the theory of elasticity; the torsion problem. (K priblizhennomu recheniyu differentsial'nykh uravneniy v teorii uprugosti (zadacha o kruchenii)).

PERIODICAL: Izvestiya Akademii Nauk SSSR, Otdeleniye Tekhnicheskikh Nauk, 1958, No.2, pp. 133-135 (USSR).

ABSTRACT: A numerical method for solving a non-linear differential equation in partial derivatives of the second order is described. The equation treated is that of torsion of a bar with a square cross-section. The solution sought must fulfil the boundary condition (namely the vanishing of the stress function all along the periphery) rigorously and the differential equation of equilibrium (Eq.1.1) with any degree of accuracy desired. The cross-section is covered by a grid whose corner points are associated with values of the function required. Finite difference equations are derived from the differential equation. Successive approximations are derived starting with a first approximation stated in the paper. The evaluation of the error of this procedure is made, using a proposal by V. Mises, reported in the well-known work of Collatz

Card 1/2

24-2-18/28

Contribution to the approximate solution of differential
equations in the theory of elasticity; the torsion problem.

on numerical analysis.

There are 5 Russian references.

SUBMITTED: October 5, 1957.

AVAILABLE: Library of Congress.

Card 2/2

AUTHOR: Kurdin, N. S. (Moscow)

COV/24-53-8-21/37

TITLE: Large Deflections of a Rectangular Membrane Reinforced by an Elastic Rib (Bol'shiye progiby pryamougol'noy membrany, podkreplennoy uprugim rebrom)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Otdeleniye Tekhnicheskikh Nauk, 1958, Nr 8, pp 117-119 (USSR)

ABSTRACT: The solution of this non-linear problem is obtained by the energy method. It is assumed that the displacements at the edges of the membrane are zero. The deformed surface is taken as saddle-shaped. The rib is assumed to function under both bending and tension. A numerical example is considered in order to study the effect of the strength of the rib and the dimensions of the membrane on its deformed state. Large deflections of rectangular plates reinforced by several elastic ribs in the directions of two adjacent sides have been considered by Vol'mir, A.S. in his monograph (Ref 1). There it was assumed that a rib has no effect on the form of the deformed surface; to within a factor the deflection function is taken to be the same as that in the absence of a rib. The total area Card 1/2 of the transverse cross-section of all the ribs in one

Sov/24-58-8-21/37

Large Deflections of a Rectangular Membrane Reinforced by an
Elastic Rib

direction is assumed to be uniformly distributed along the length of the corresponding side and the rib acts as a factor preventing the boundaries of the plate approaching each other. The plate considered is reinforced by a rib at its middle which is perpendicular to the longer side and it is assumed that a uniformly distributed transverse load acts on the membrane. From the solution obtained for the stressed and deformed state of the membrane it is easy to obtain the solution of a membrane not reinforced by a rib. There are 2 figures and 3 Soviet references.

SUBMITTED: February 6, 1958

1. Membranes--Deflection 2. Membranes--Stresses 3. Mathematical analysis

Card 2/2

SOV/24-58-12-21/27

AUTHOR: Kurdin, N.S. (Moscow)

TITLE: Stability of a Rectangular Flexible Plate Supported by a Rib (Ustoychivost' pryamougol'noy gibkoy plastinki, podkreplennoy rebrom)

PERIODICAL: Izvestiya Akademii Nauk, Otdeleniye Tekhnicheskikh Nauk, 1958, Nr 12, pp 128-131 (USSR)

ABSTRACT: A rectangular flexible plate of thickness H and lateral dimensions $2a \times 2b$ is supported along one of the axis by a rib a.d. (sketch p 128). The compressive stress acts in the direction of the rib and is uniformly distributed along the sides AB, CD. Using results obtained in an earlier paper (Ref.4) which takes large deformations into account, the critical load is derived as

$$q_{cr} = \frac{[M - \sqrt{M^2 - 4NT}] HE}{2(1 - v^2) N} \quad (1.12)$$

$$M = -\frac{h^2 \pi^2}{17280 l^2} \left\{ 32 \left\{ 120l^2 [v(v-2)-2-3\alpha] + l^4 (4v-13-15\alpha) - 2880v \right\} - 3l^4 \left[l^2(1+2\alpha) + 24 \left\{ (40v+l^2) \right\} \right] \right\}$$

Card 1/2

SOV/24-58-12-21/27

Stability of a Rectangular Flexible Plate Supported by a Rib

$$N = \frac{\pi^2}{720l^2} \left\{ 3840v^2 + l^2 [32v(13+15\alpha) + 3l^2(1+4\alpha)] \right\}$$

$$T = \frac{h^4\pi^2}{4520} \left\{ 960vl + \frac{l^2}{384} [3840(8-4v-3v^2) + l^2[3l^2 + 32(26-21v)] + 144\xi(1920+80l^2+l^4)] \right\} \quad (1.13)$$

and E = Young's modulus; v = Poisson's ratio; $h = H/b$; $l = Pb/a$; $\alpha = F/bH$; $v_1 = 1-v$; $\xi = I/bH^3$; F = area of cross-section of rib; I = moment of inertia of cross-section of rib. There is 1 figure and 4 Soviet references.

SUBMITTED: 8th May 1958.

Card 2/2

KURDIN, N.S.

507/669

PLATE I BOOK INFORMATION

16(1)10(2)

Akademy nauk SSSR. Institut mehaniki

Inzhenerny zhurnal, t. 25 (Inzhenernye issledovaniya, Vol. 25) Moscow, Izd-vo Akademii Nauk SSSR, 1959. - 248 p. - Series 413 inserted. 2,200 copies printed.

Ed. A.A. Il'yushin; Ed. of Publishing House: D.M. Ljapko; Tech. Ed.: V.V. Malyutin.

PURPOSE: This book is intended for applied mathematicians, physiticians and engineers.

COVERAGE: The book is a collection of articles published by the Department of Engineering Sciences of the Institute of Mechanics (Institut mehaniki) of the Academy of Sciences, USSR. The articles discuss various aspects of mechanics of materials and of fluid mechanics, such as stresses and bending of beams, shells, plates and rods, supersonic gas flows, vibrations, etc. The problems are treated in a highly theoretical, i.e., mathematical, manner. References are given at the end of each article.

Gagarin, A.S. On Factors of Equal Resistance to Bending	45
Shevchenko, N.P. Beams of an Isotropic Plate Which Is Reinforced by a Thin Ring by an Elliptical Hole, and the Edge of Which Is Reinforced by a Thin Ring	51
Aleshin, S.A. Design of a Circular Plastic Membrane Under Uniform Lateral Load	61
Chirkovskii, V.D. Lateral Vibrations of Rods and Plates With Rectilinear Forces	61
Stepanov, B.N. On the Stability of Cylindrical Shells Moving in a One Dimensional Stability of a Pressured Shell in a Supersonic Flow	91
Burdin, B.M. Bending of a Partially Loaded Rectangular Plate With Two Opposed and Two Free Edges	104
Kamotskii, A.I. A Method of Solving Systems of Linearized Algebraic Equations Pertaining to Certain Problems of Engineering Mechanics	112
Fechkin, I.M. On the Strength of a Viscoelastic Anisotropic Structure Reinforced by Two Circular Plates	128
Turbakov, N.D. Strained State of a Multiply-Connected Elliptical Curve by the Problem of a Plate	136
Gol'dberg, I.I. Certain Problems of the Stability of Thin Cylindrical Shells	145
Isichenko, P.A. and V.M. Leont'ev. Design of a Spherical Shell Supported by a Cylindrical Column	154
Yudovich, V.P. On the Stability of a Bifurcating Form of the Equilibrium of an Elastic Compressed Twisted Rod	162
Iosif'yan, V.A. A One-Dimensional Problem of the Temperature Structure in a Plastic-Elastic Medium	170
Nazarov, A.M. A Study of Heat-Exchange in Supersonic Air Flows in Pipes	179
Torop, I.M. Approximate Solution of the Fundamental Boundary Value Problem of a Supersonic Gas Flow	186
Gashchik, T.M. Flow of Liquids in a Vertical Plate With Wall Filter	197
Kuznetsov, V.A. On the Displacement of a Water-Oil Contact in Formations With Bottom Seams	209

AUTHOR: Kurdin, N. S. (Moscow) SOV/179-59-3-25/45

TITLE: Elasto-plastic State of a Rod Under the Action of Centrifugal Forces and Twisting Moments (Uprugoplasticheskoye sostoyaniye sterzhnya, nakhodyashchegosya pod deystviyem tsentrobeznykh sil i krutyashchego momenta)

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh nauk, Mekhanika i mashinostroyeniye, 1959, Nr 3, pp 152-154 (USSR)

ABSTRACT: The rod is assumed to be of circular cross-section, to be subject to the Mises plasticity condition, and to be incompressible in the plastic zone. It is shown that a plastic state can arise at the contour of the rod, or at the centre, or at both simultaneously, but never between the two. The stresses, strains and displacements in the rod are also analysed mathematically.
There are 2 references, both of which are Soviet.

SUBMITTED: June 23, 1958
Card 1/1

67607

244100

SOV/179-59-5-31/41

AUTHOR: Kurdin, N.S. (Moscow)TITLE: Deformation State of a Sinusoidally Folded Shell
(Compensator)PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh
nauk, Mekhanika i mashinostroyeniye, 1959, Nr 5,
pp 149-153 (USSR)

ABSTRACT: The paper is a continuation of previous work (Ref 2). The deformation is considered of a sinusoidally folded shell of revolution, symmetrically loaded by internal pressure with tensile stresses applied to its ends, and with unequal heating through its thickness. Taking account of these conditions, the differential equations are set up and solved. The solution is applied to an example for which Young's modulus = 2×10^6 Kg/cm², coefficient of linear expansion = $12 \times 10^{-6}/^{\circ}\text{C}$, Poisson's ratio = 0.3 and the number of waves in the shell = 10. The results of the calculation are shown in a table and a graph; they emphasise the large effect of the thermal conditions on the behaviour of the shell.

Card 1/2 There are 2 figures, 1 table and 4 references, 3 of which

67607
Deformation State of a Sinusoidally Folded Shell (Compensator)
are Soviet and 1 Czech.

SUBMITTED: January 21, 1959

4

Card 2/2

KURDIN, N.S. (Moskva)

Bending of a partly loaded rectangular plate having two supported
and two free edges. Inzh. sbor. 25:104-110 '59.

(Elastic plates and shells) (MIRA 13:2)

KURDIN, N.S. (Moskva)

Lower boundary of permissible limit load from the point of
view of kinematics. Inzh.sbor. 27:200-202 '60.
(MIRA 13:6)
(Elastic plates and shells)

KURDIN, N.S. (Moskva)

Expansion of plastic zones in joined annular plates. Inzh.zhur. 1
no.2:136-144 '61. (MIRA 14:12)
(Elastic plates and shells) (Plasticity)

KURDIN, N.S. (Moskva)

Theory of self-cemented nonuniformly heated plates (cylinders)
made of a hardening material. Inzh.zhur.2 no.1:130-137 '62.
(MIRA 15:3)

1. Institut mekhaniki AN SSSR.
(Elastic plates and shells)

10.6100

40037

S/258/62/002/002/016/018

I028/I228

AUTHOR: Kurdin, N. S. (Moscow)**TITLE:** On the evaluation of the kinematically allowable limit load**PERIODICAL:** Inzhenernyy zhurnal, v. 2, no. 2, 1962, 376-378**TEXT:** The kinematically allowable coefficient I_k is defined by

$$I_k = \int_V D dV / \int_F E dF, \quad E = uX + vY + wZ \quad (2) \quad \checkmark$$

and, as can be easily shown, satisfies the inequality

$$I_k \leq \sqrt{V \int D^2 dV} / \int E dF \quad (5-6)$$

where u, v, w —kinematically possible velocities, X, Y, Z —components of the external load, D —velocity of dissipation of the mechanical energy. The integrals in the numerators being difficult to calculate new inequalities are established in the paper for the assessment of I_k . It is proved that:

$$m_{11} \leq I_k \leq m_{12} \quad \text{for } N > 0 \quad (10)$$

Card 1/2

On the evaluation of...

S/258/62/002/002/016/018
I028/I228

$$m_k \leq m_{11} \leq m_{12} \quad \text{for } N < 0 \quad (11)$$

$$m_k \leq \sqrt{s_1 \int \phi_1^2 ds_1} / \int \phi_2 ds_2$$

where

$$m_k = \int \phi_1 ds_1 / \int \phi_2 ds_2 \quad (7) \quad \checkmark$$

$$m_{11} = (N + \sqrt{s_1 \int \phi_1^2 ds_1}) / \sqrt{s_2 \int \phi_2^2 ds_2} \quad (8)$$

$$m_{12} = (N + \sqrt{s_2 \int \phi_2^2 ds_2}) / \int \phi_1 ds_1$$

$$N = \int \phi_1 ds_1 - \int \phi_2 ds_2 \quad (9)$$

s_1 = n-dimensional region, s_2 = 1-dimensional region. By replacing ϕ_1, ϕ_2, s_1, s_2 by D, E, V, F , respectively one can use these inequalities for the assessment of the kinematically allowable limit load.

ASSOCIATION: Institut mekhaniki AN SSSR (Institute of Mechanics AS USSR)

SUBMITTED: July 11, 1961

Card 2/2

KURDIN, N. S. (Moskva)

Stressed state in semi-infinite areas under the action of
concentrated forces. Inzh. zhur. 2 no.4:303-311 '62.
(MIRA 16:1)

1. Institut mekhaniki AN SSSR.

(Strains and stresses)

L 19491-63 EWP(r)/EWT(m)/BDS AFFTC
ACCESSION NR: AP3006361

S/0258/63/003/003/0572/0575

AUTHOR: Kurdin, N. S. (Moscow)

TITLE: Equilibrium in drop-shaped shell under large deformations

SOURCE: Inzhenernyy zhurnal, v. 3, no. 3, 1963, 572-575

TOPIC TAGS: deflection, shell, stress

ABSTRACT: The stresses in a drop-shaped shell have been studied under small and large deflections, and two classes of solutions are presented: first, the equilibrium state under small deformations (see Fig. 1, Enclosure, solid lines) and second, the equilibrium state under large deformations when liquid pressure inside the shell reaches magnitude $h_2^{(0)}$ (see Enclosure, dotted line). It is assumed that the meridional stress σ , and the annular stress are equal. The first class is assumed known, and the solution of the large deformation problem is obtained with the equilibrium expressions for zero-torque shell given by A. S. Grigor'ev (Pavnovsiye bezmomentnoy obolochki vrashcheniya pri bol'sikh deformatsiyakh. Prikl. matem. i. mekhan., t. XXV, No. 6, 1961). The special case of a spherical shell is then treated. For phase one the internal pressure is given as q_1 , and for phase two, as q_2 . The corresponding differential equations are given by

Card 1/2

L 19491-63

ACCESSION NR: AP3006361

$$\frac{d}{d\xi} (\xi \sin \psi) = \frac{q_1 R_1 \xi}{\sigma^{(1)} H_1}$$

$$\frac{d}{dx} (x \sin \phi) = \frac{q_2 R_1 x}{\sigma^{(2)} H_2}$$

ξ , R_1 , R_2 , characteristic shell dimension; τ - dimensionless coordinate; ψ , ϕ , - (see Enclosure); H_1, H_2 - shell thickness. Orig. art. has: 21 equations and 1 figure.

ASSOCIATION: Institut mehaniki AN SSSR (Institute of Mechanics, Academy of Sciences, SSSR)

SUBMITTED: 06Dec62

DATE ACO: 27Sep63

ENCL: 01

SUB CODE: AP

NO REF SOV: 001

OTHER: 002

Card 2/02

SEARCHED *SH* FILED *SH* APPROVED AS OF 1-2-74 BY
REF ID: A6434974

S 10258/64/004/004/0673/0679

AUTHOR: Kurdin, N. S. (Moscow)

TITLE: Stress concentration in semi-infinite regions

SOURCE: Inzhenernyy zhurnal, v. 4, no. 4, 1964, 673-679

TOPIC TAGS: stress concentration, elastic medium

ABSTRACT: The author determines the stressed state in a semi-infinite region S
above a body in the coordinate system (x, y) by the method of boundary conditions
of the problem of the theory of elasticity.

"APPROVED FOR RELEASE: 08/23/2000

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APPROVAL NR: AP1049594

concentration, and some of the results can be used for training. Satisfied.

ENCL: 00

INFO: AS

NO REF GOV: 002

OTHER: 001

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"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927630003-1

REPORT, No. 2. (Russian)

Spectral concentration in elastically deformed media. Izv. AN SSSR.
Mech. no.5:88-94 S-0 '65. (MIRA 1810)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927630003-1"

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927630003-1

KURDIN, N.S. (Moskva)

Stress concentration in a quasi-half-plane and other areas. Inzh.
zheur. 5 no.5:868-875 '65.
(MIRA 18:10)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927630003-1"

KURDIN, P., predsedatel'.

Concern of the trade-union organization of a state farm for an increase in agricultural production. Sov. profsoiuzy 1 no.1: 58-60 S '53. (MLRA 6:12)

1. Rabochiy komitet professional'nogo soyuza "Doskino" Gor'kovskoy oblasti. (State farms)

MATVEYEVA, V.V.; KURDIN, R.D., oty.red.; TIRASPOL'SKAYA, R.S., red.;
ZHDANOVA,L.P., red.; SERGEYEV, A.H., tekhn.red.

[Agroclimatic manual for East Kazakhstan Province] Agroklimati-
cheskii spravochnik po Vostochno-Kazakhstanskoi oblasti. Lenin-
grad, Gidrometeor.izd-vo, 1960. 152 p. (MIRA 14:4)

1. Kazakh S.S.R. Upravleniye gidrometeorologicheskoy sluzhby.
2. Direktor Alma-Atinskoy gidrometeorologicheskoy observatorii
(for Kurdin).
(East Kazakhstan Province--Crops and climate).

KURDIN, V.

"Volgotanker" has completed its seven-year plan. Rech. transp.
24 no. 10:28 '65. (MIRA 18:12)

1. Nachal'nik parokhodstva "Volgotanker".

KURDIN, V.A.

Expansion of petroleum transportation in the Volga-Kama Basin
in 1959-1965. Rech. transp. 18 no.4:5-7 Ap '59. (MEBA 44:1)

1. Nachal'nik parokhodstva "Volgotanker".
(Petroleum--Transportation)
(Volga River--Inland water transportation)
(Kama River--Inland water transportation)

KURDIN, V. A.

Employees of the "Volgotanker" line have carried out their
socialist obligations. Rech. transp. 20 no.12:6-8 D '61.
(MIRA 14:12)

1. Nachal'nik parokhodstva Volgotanker.
(Volga River---Inland water transportation---Employees)
(Tank vessels)

KURDIN, V. A.

We shall improve the performance of the petroleum fleet.
Rech. transp. 21 no. 6:6-7 Je '62. (MIRA 15:7)

1. Nachal'nik parokhodstva Volgotanker.
(Tank vessels)
(Inland water transportation)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927630003-1

KURDIN, V.P.

Classification and distribution of bottom types in Rybinsk
Reservoir. Trudy Inst. biol. vodokhran. no.1:25-37 '59.
(MIRA 13:2)
(Rybinsk Reservoir--Reservoir sedimentation)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927630003-1"

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927630003-1

KURDIN, V.P.

The bottom of Lake Beloye. Trudy Inst. biol. vodokhran no.3:301-306 '60.
(MIRA 14:3)

(Beloye, Lake(Vologda Province)—Sediments (Geology))

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927630003-1"

POTAPOV, Valeriy Rafailovich, inzh.; NIKOLAYEV, Igor' Antoi'yevich, inzh.
KURDIN, Viktor Petrovich, inzh.

Use of an electron-beam tube for shaping number images.
Izv. vys. ucheb. zav.; elektromekh. 4 no.11:87-91 '61.
(MIRA 14:12)

1. Vychislitel'nyy tsentr Rostovskogo gosudarstvennogo
universiteta.

(Cathode ray oscillograph)
(Electron beams)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927630003-1

KURDIN, V.P.

Bottoms of Ivan'kovo Reservoir. Trudy Inst.biol.vodokhran. no.4:
328-346 '61. (MIRA 14:10)
(Volga Reservoir--Reservoir sedimentation)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927630003-1"

KURDIN, V.P.

Conditions of the formation of the bottom complex in Ugliche
Reservoir. Trudy Inst. biol. vodokhran. no.5:322-328'63.
(MIRA 16:8)
(UGLICH RESERVOIR—RESERVOIR SEDIMENTATION)

BUTORIN, N.V., kand. geogr. nauk; KURDIN, V.P., ml. nauchn. sotr.;
MARDUKHAY-BOLTOVSKIY, F.D., doktor biol. nauk; BEZLER,
F.I., kand. biol. nauk; IL'INA, L.K., kand. biol. nauk;
GONCHAROV, G.D., doktor biol. nauk; RYABCHENKOV, N.P.;
PODDUBNYY, A.G., kand. biol. nauk; MIRASHEV, G., red.

[Fishery atlas of Rybinsk Reservoir] Rybopromyslovyi atlas
Rybinskogo vodokhranilishcha. IAroslavl', 1963. 20 p.
(MIRA 18:9)

1. Akademiya nauk SSSR. Institut biologii vnutrennikh vod.
2. Institut biologii vnutrennikh vod AN SSSR (for all
except Mirashev, Ryabchenkov). 3. Upravlyayushchiy Rybinskogo
Gosudarstvennogo tresta rybnoy promyshlennosti (for Ryabchenov).

KURDINA, A.A.; MALININA, K.N.

Tertian malaria with prolonged incubation time in migrants
from the south. Med.paraz. i paraz.bol.24 no.3:220-223 J1-S
'55. (MLRA 8:12)

1. Iz Leningradskoy gorodskoy protivomalyariynoy stantsii
(zav.stantisyey, R.M.Soboleva)
(MALARIA, epidemiology,
in Russia, tertian malaria in migrants from
southern Russia)

Kurdina, A.A.

ZAPOL'SKAYA, A. N.; KURDINA, A. A.; MALININA, K. N.; PANEROVA, Ye. A.

Relation of dysentery to hymenolepiasis. Med. paraz.i paraz. bol.
24 no.4:308-310 O-D '55. (MIA 9:1)

1. Iz Leningradskoy protivomalyariynoy stantsii (zav. R. M. Soboleva)
(TAPEWORM INFECTION, in infant and child,
hymenolepiasis, relation to dysentery)
(DYSENTERY, in infant and child,
relation to hymenolepiasis)

KURDINA, A.A.

A rare case of infection with malignant tertian malaria as a result
of hemotherapy (1949-1950). Med.paraz.i paraz. bol. 27 no.1:107-
108 Ja-F '58.
(MIRA 11:4)

1. Iz parazitologicheskogo otdela Leningradskoy gorodskoy sanitarno-
epidemiologicheskoy stantsii (glavnnyy vrach N.G.Girgor'yeva, zav.
otdelom R.M.Soboleva).

(MALARIA, etiology & pathogenesis
blood transfusion, ther. (Rus))
(BLOOD TRANSFUSION, complications
malaria, ther. (Rus))

KURDINA, A.A.

KURDINA, A.A., MALININA, K.N., PANTEROVA, Ye.A.

The problem of the relation of dysentery to giardiasis helminth infections. Med. paraz. i paraz. bol. 27 no.2:183-188 Mr-Ap '58
(MIRA 11:5)

1. Iz parazitologicheskogo otdela Leningradskoy gorodskoy sanitarno-epidemiologicheskoy stantsii (glavnnyy vrach N.G. Grigor'yeva, zav. otdelom R.M. Soboleva).

(DYSENTERY, complications

giardiasis or helminth infect., interrelation (Rus))

(GIARDIASIS, complications

dysentery, interrelation (Rus))

(HELMINTH INFECTIONS, complications

dysentery, interrelation (Rus))

KULDINA, A.A.

Infection with quartan malaria through parasitic carriers.
Med.paraz.i paraz.bol. no.3:333-335 '62. (MIRA 15:9)

1. Iz parazitologicheskogo otdela (zav. N.F. Fedorova) Leninskoy gorodskoy sanitarno-epidemiologicheskoy stantsii (glavnnyy vrach V.I. Kovshilo).
(MALARIA)

ACC NR: AP6030/96

(A,N)

SOURCE CODE: UR/0346/66/000/009/0015/0018

AUTHOR: Vershilova, P. A.; Ivanov, M. M.; Orlov, Ye. S.; Kaytmazova, Ye. I.;
Kurdina, D. S.; Zasedateleva, G. S.; Mikhaylov, N. A.; Pinigin, A. F.; Merinov,
S. P.; Dranovskaya, Ye. A.; Davydov, N. N.

ORG: none

TITLE: Brucellosis cultures isolated from deer in the northern Soviet Union

SOURCE: Veterinariya, no. 9, 1966, 15-18

TOPIC TAGS: brucellosis, brucella culture, disease vector, deer, animal disease

ABSTRACT: Brucellosis is widely distributed among deer in the northern part of the Soviet Union. In general they serve as carriers and epizootic reservoirs of brucellosis in cattle and sheep. The most typical species is *Brucella abortus*, with the other two common types rare or absent. A fourth type, *Br. rangifera*, differing from the others, was also isolated.

[WA-50; CBE No. 12]

SUB CODE: 06/ SUBM DATE: none/ ORIG REF: 014/ OTH REF: 010

Cord 1/1

UDC: 619:616.981.42-02:636 294

KURDINA, D.S.

Study of the vaccine strain Br. melitensis Rev I. Zhur. mikrobiol.,
epid. i immmu. 32 no.11:99-104 N '61. (MIRA 14:11)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR.
(BRUCELLA) (VACCINES)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927630003-1

KURDINA, D.S.

Comparative study of the residual virulence of vaccinal
strains of various types of Brucella. Zhur. mikrobiol.,
epid. i immun. 40 no.4:97-102 Ap '63. (MIKA 17:5)

i. Iz Instituta epidemiologii i mikrobiologii imeni Gamelei
AMN SSSR.

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927630003-1"

VERSHILOVA, P.A.; KURDINA, D.S.

Study of the intensity of cross and type immunity to brucellosis.
Zhur.mikrobiol., epid. i immun. 40 no. 8:34-39 Ag '63. (MIRA 17:9)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN
SSSR.

KURDINA, D. S.

"Study of Vaccine Strains of Various Species of Brucella."

Report presented at the meeting of the World Health Organization,
Geneva, 3-9 Dec 63.

Gamaleya Institute of Epidemiology and Microbiology, AMS USSR.

KURDINA, E.J., PHYSICIAN

CAND MED SCI

Dessertation: "Visceral Disturbances in Cases of Affections of the Cerebral Cortex."

9 May 49

Second Moscow State Medical Inst imeni

I.V. Stalin

SO Vecheryaya Moskva
Sum 71

SURNAME, Given Names

(3)

Country: Poland

Academic Degrees: not given
Presumed Ludwik Hirschfeld Institute of Immunology and Experi-
Affiliation: mental Therapy (Instytut Immunologii i Terapii Doswiadczonej
im. Ludwika Hirszfelda), Polish Academy of Sciences (PAN--Pols-
Source: Akademia Nauk), Wroclaw; Director: Prof. Stefan SLOPEK, Dr.
Source: Warsaw, Postany Higieny i Medycyny Doswiadczonej, Vol XV, No 4,
Data: 1961, pp 431-432.
Data: "The Effect of Different Sources of Nitrogen on the Structure of
the Cell Wall of Actinomycetes Spores."

English abstract of article originally published in Arch. Immunol.
i Terapii Dosw. 1960, 8, 655.

Authors:

MORDARSKI, M.
KURDINA, J. S.

670 981643

KURDINA, M. A.

User/ Chemistry - Insecticides

Card 1/2 Pub. 40 - 13427

Authors : Arbuzov, B. A.; Alimov, P. I.; Zvereva, M. A.; Neklesova, I. D.; and
Kurdina, M. A.

Title : Synthesis of certain organic derivatives of thiopyrophosphoric acid

Periodical : Izv. AN SSSR. Otd. khim. nauk 6, 1038-1041, Nov-Dec 1954

Abstract : Experiments were conducted for the purpose of obtaining new insecticides
of the thiopyrophosphoric acid series. Diethylthiophosphoric acid was
synthesized by adding sulfur to diethylphosphorous acid in the presence
of three different amines (triethylamine, pyridine and diethylaniline).

Institution : Acad. of Sc., USSR, Kazar Branch, The A. E. Arbuzov Chemical Institute

Submitted : January 16, 1954

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927630003-1

PPR 12/27/88

are listed. Two references: 1 USSR and 1 USA (1951 and 1953). Tables.

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927630003-1"

KURDINA, M.

USER / Chemistry = Synthesis

ARDABOV, Z. A.; ALIMOV, R. I.; ZVEREVA, N. A.; NOVIKSOVA, I. D.; and KURDINA, M. A.

— — — — — DRAFT PROPOSAL FOR REVIEWS

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927630003-1"

SHARIPOV, N. M.

SHARIPOV, N. M.: "Zoobacter and its relationship with higher plants", Alma-Ata, 1955. Acad Sci Kazakh SSR, Inst of Soil Science. (Dissertation for the Degree of Candidate of BIOCHEMICAL Sciences)

SO: Knizhnyaya i zinat. No. 51, 10 December 1955

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927630003-1

KURDINA, R.M.

Asotobacter in the root system of agricultural plants. Izv. AN
Kazakh. SSR. Ser. biol. no.12:40-55, 1957 (MLRA 10:4)
(ALMA-ATA PROVINCE--RHIZOSPHERE MICROBIOLOGY)
(AZOTOBACTER)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927630003-1"

USSR/Microbiology. General Microbiology.

F-1

Abs Jour: Ref. Zhur.-Biol., No 7, 1958, 28845.

Author : Kurdina, R.M.

Inst : Not given.

Title : Fixation of Atmospheric Nitrogen by Azotobacter.

Orig Pub: Fiksatsiya azota atmosfery azotobakterom.
Izv. AN KazSSR, ser. biol., 1957, No 12, 56-69.

Abstract: The evolution of nitrogen-containing substances into the surrounding medium by azotobacter cells when developed on a medium with glucose and acetate was studied. The experiment was conducted with stock strains of Azotobacter agile 22D and A. chroococcum 3, isolated by the author from root-base zone of wheat. Accumulation of N in the culture liquid was evident beginning with the earliest stages of azotobacter development. In develop-

Card : 1/2

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USSR/Microbiology. General Microbiology.

F-1

Abs Jour: Ref. Zhur.-Biol., No 7, 1958, 28845.

ing on glucose the extra-cellular N comprised 40-50% of the total N fixed by the culture. When the pH was increased to 8.7, the quantity of extra-cellular N attained 70-75%. When developed on acetate under conditions of increased alkalinity of the medium, the quantity of N liberated by the cells into the surrounding medium attained 80-85% of the total fixated N at the beginning of culture development, and subsequently was somewhat diminished as the culture grew. 50% of the extra-cellular N was composed of ammoniacal nitrogen. Hydroxylamine was found even in the early stages of culture development; in some cases hydrozine was found among the extracellular products. Aminoacids were observed in the culture liquid only in old cultures in which autolysis began.

Card : 2/2

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927630003-1

KURDINA, R.M.; BORUKAYEVA, M.R.

Effect of fillers on the intensity of microbiological processes.
Trudy Inst.mikrobiol.i virus.AN Kazkh.SSR 6:174-179 '62.

(MIRA 15:8)
(BACTERIOLOGY--CULTURES AND CULTURE MEDIA) (ADSORBENTS)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927630003-1"

SHAMIS, D.L.; KURDINA, R.M.; ZAYTSEVA, L.K.

Effect of fillers on the activity of some species of yeasts
of the genus *Saccharomyces*. Trudy Inst. mikrobiol. i virus.
AM Kazakh. SSR 7:51-57 '63 (MIRA 16:12)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927630003-1

KURDINA, R.M.

Sporeforming aerobic nitrogen-fixing micro-organism. Trudy
Inst. mikrobiol. i virus. AM Kazakh. SSR 7:58-59 '63
(MIRA 16:12)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927630003-1"

KURDINA, T.N.

Analysis of the mean ten-day water temperature in Rybinsk
Reservoir. Meteor. i gidrol. no.8:40-42 Ag '56. (MLRA 9:11)
(Rybinsk Reservoir--Temperatures)

KURDINA, T.N.

Water temperature and its dynamics in Rybinsk Reservoir.
Trudy Biel. sta. "Berek" no.3:35-51 '58. (MIRA 11:9)
(Rybinsk Reservoir--Temperature)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927630003-1

RUTKOVSKIY, V.I.; KURDINA, T.N.

Water balance of Rybinsk Reservoir during the period 1947-1955.
Trudy Inst. biol. vodokhran. no.1:5-24 '59. (MIRA 13:2)
(Rybinsk Reservoir--Hydrology)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927630003-1"

KURDINA, T.N.

Elements of the hydrological regimen and water balance of
Uglich Reservoir. Trudy Inst.biol.vodokhran. no.2:229-245
'59. (MIRA 13:5)
(Uglich Reservoir--Hydrology)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927630003-1

EUTORIN, N.V., KURDINA, T.N.

Characteristics of hydrological seasons in Rybinsk
Reservoir. Trudy Inst. biol. vnutr. vod. no. 9: 300-316
'65, (MIRA 19:1)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927630003-1"

KURDINA, V. N. Cand Agr Sci -- (diss) "Effect of methods of cultivation *on-harvest*,
~~examination~~ chemical composition, and disease resistance of carrot roots during *this*
~~period~~ *of storage*." Mos, 1957. 15 pp 19 cm. (Mos Order of Lenin Agr Acad im K.A.
Timiryazev), 110 copies. (KL, 15-57, 107)

Kurdina V.

SABUROV, N., professor. KURDINA, V., aspirant.

Quality of vegetables. Sov. torg. no.4:46-48 Ap '57. (MLRA 10:4)
(Vegetables--Storage)

SABUROV, N.V.; KURDIWA, V.N.

Effect of various factors on the storage of carrots. Kons. i sv. prem.
12 no. 4:37-39 Ap '57.
(MIRA 10:6)

1. Sel'skokhozyaystvennaya akademiya imeni K.A. Timiryazeva.
(Carrots--Storage)

KURDINA, V.N., aspirant.

Effect of the time of sowing on the yield, chemical composition,
and keeping quality of carrots. Dokl. TSKhA no.28:380-385 '57.
(Carrots) (MIRA 11:4)

KURDINA, V.N., kand. sel'skokhoz. nauk

Sorption properties and the intensity of the respiration of
vegetable seeds in storage. Izv. TSKHA no.4:65-75 '63.
(MIRA 17:1)

SOV/169-59-3-3193

Translation from: Referativnyy zhurnal, Geofizika, 1959, Nr 3, p 160 (USSR)

AUTHORS: Fel'dshteyn, Ya.I., Kurdina, Ye.I.

TITLE: The Magnetic Variations in the Region of the Aurora Polaris Zone

PERIODICAL: V sb.: Probl. Arktiki, Nr 3, Leningrad, "Morsk. Transport, 1958,
pp 53 - 59

ABSTRACT: This is a description of investigations of the geographic distribution of the variations of the magnetic elements D, H, Z in the region of the Dixon geophysical observatory. The magnetic variations were recorded at different distances from the observatory by a mobile Brunelli magnetic station. All investigations were related to the stable state of the magnetic field. The greatest difference in shape and phase of the variations was observed with the Z-component at a distance of

Card 1/2

SOV/169-59-3-3193

The Magnetic Variations in the Region of the Aurora Polaris Zone

800 km from Dixon (the variations in Z are often detected in the antiphase). Noticeable changes in the character of the Z-variations were not observed at distances of about 10 km from Dixon. The Brunelli magnetic station gives a qualitative record of the magnetic field variations in a wide range of changes.

M.A. Beloussova

✓

Card 2/2

89775

3,1810

3/169/61/000/002/029/089
A005/A001

Translation from: Referativnyy zhurnal, Geofizika, 1961, No. 2, p. 48, # 2G329

AUTHORS: Fel'dshteyn, Ya. I., Kurdina, Ye. N.

TITLE: Magnetic Variations Within the Main Zone of Aurora

PERIODICAL: V sb.: "Probl. Arktiki i antarktiki". No. 3, Leningrad, "Morsk. transport", 1960, pp. 118-119

TEXT: To study the variability of the components of the magnetic field within the auroral zone, a temporary record of the magnetic field was carried out from April 6 to May 6, 1957, in the Nagurskaya Bay (Franz Josef Land) which is located 108 km from the Tikhaya Bay. From the comparison of the magnetograms obtained in the Tikhaya Bay and Nagurskaya Bay, i. e., characteristical extrema in the H- and Z-components, a functional correlation was detected between the variations at both points, especially clear for the vertical component. The nature of the changeability of magnetic field variations north of the auroral zone differs considerably from the variations within the zone. Z noticeably changes within the auroral zone at distances of about 100 km, whereas within the auroral zone the variability considerably decreases. The explanation of these

Card 1/2

89775

Magnetic Variations Within the Main Zone of Aurora

S/169/61/000/002/029/039
A005/A001

peculiarities is given. The essential conclusion is drawn that the number of stations within the zone may be less than that within (?) the zone of aurora when the network of temporary stations is established.

Kh. Kanonidi

Translator's note: This is the full translation of the original Russian abstract.

Card 2/2

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927630003-1

KALINIK, L.S.; KERDINA, Z.G.

Chromatographic method of determining xylanol isomers.
Plast. assay no. 2:55-56 '66. (MIRA 19:2)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927630003-1"

KURDINNOVA, T. N.

V.O. Lukashevich and T.N. Kurdinova, On the rearrangement of azoxy-compounds (1).
p. 1963.

On the interaction of chloro-sulfonic acid with azoxy-compounds, chlorides of sulfo esters of n-oxy-azo-compounds are obtained which on heating with dilute solutions of caustic alkalies turn quantitatively into n-oxy-azo-compounds. It is shown that the chlorides of the sulfo esters of the oxy-azo-compounds are intermediate substances and the re-grouping of the azoxy-compounds are impossible to evolve in the case with sulfuric acid.

The Voroshilov Scientific Research Inst.
of Organic Semi-products and Dyes.
June 18, 1948

SO: Journal of General Chemistry (USSR) 28, (80) No. 11, 1948

KURDINOVSKIY, G. L.

Insist more on the introduction of the TBIOT-54. Okhr.truda i
sots.strakh. no.6:69 D '58. (MIRA 12:1)

1. Tekhnicheskiy inspektor okhrany truda TSentral'nogo Komiteta
profsoyuza rabochikh geologprazvedochnykh rabot.
(Dust collectors)

KURDINOVSKIY, G.; SEREGIN, N.

Scouts of the earth's crust should have modern machinery. Okhr.
truda i sots. strakh. 3 no.9:15-17 S '60. (MIRA 14:4)

1. Tekhnicheskiye inspektora Tsentral'nogo komiteta profsoyuza
rabochikh geologorazvedochnykh rabot.
(Boring--Safety measures)

KURDINOVSKIY, Yu., starshiy prepodavatel:

The life of Joliot-Curie. Tekh. mol. 31 no.6 9-10 :63.
(MIRA 16:7)
1. Universitet druzhby narodov imeni Patrisa Lumumby.
(Joliot-Curie, Frederic, 1900-1958)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927630003-1

KURDINOVSKIY, Yu.P., inzhener

Invisible mark. Nauka i zhizn' 22 no.8:49-50 Ag'55. (MIRA 8:10)
(Radioactive isotopes--Industrial applications)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927630003-1"

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927630003-1

KURDINOVSKIY, Yu.P., inzhener.

Invisible witnesses. Nauka i Zhizn' 22 no.11:30-32 N '55. (MLRA 9:1)
(Radioisotopes--Industrial applications)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927630003-1"

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927630003-1

KURDINOVSKIY, Yu.F., inzhener.

Rays born of the atom. Nauka i zhizn' 23 no.3:17-20 Mr 56.
(Radiisotopes--Industrial applications) (MLRA 9:7)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927630003-1"

KURDINOVSKIY, Yuriy Pavlovich; BEYZEL'MAN, P.D., red.; LAVROVSKIY, K.F.,
red.; MEDOTOVA, A.F., tekhn.red.

[Factory laboratory]—Zavodsknaiia laboratoriia. Moskva, Gos.
uchebno-pedagog. izd-vo M-va prosv. RSFSR, 1958. 130 p.
(Laboratories) (MIRA 12:1)

KURDINOVSKIY, Yu.P.

Use of X-ray spectroscopy in determining inclusions in steel. Trudy
MATI no.41:54-57 '59. (MIRA 13:6)
(Steel--Metallography) (X-Ray spectroscopy)

Kuklinovskiy, Yu I.

PHASE I BOOK EXPLOITATION

SOV/4312
SOV/10-S-41

Moscow. Aviationsionnyy tekhnologicheskiy institut

Nekotoryye voprosy mekhaniki i fiziki (Problems in Mechanics and Physics) Moscow,
Oborongiz, 1959. 84 p. (Series: Its: Trudy, vyp. 41) Errata slip inserted.
3,100 copies printed.

Sponsoring Agency: RSFSR. Ministerstvo vysshego i srednego spetsial'nogo
obrazovaniya.

Eds.: V.T. Dubasov and R.G. Gevorkyan; Ed. of Publishing House: V.M. Tokar';
Tech. Ed.: N.A. Pukhlikova.

PURPOSE: These studies are intended for teachers of higher educational institutions,
for people working on applications of spectral analysis in industry, and
for scientific workers who use voltage stabilizers.

COVERAGE: This book contains eight theoretical and experimental studies dealing
with specific problems of physics and mechanics. The subjects considered in
these studies are: principle of relativity, theory of physical measurements,
integrability of equations of motion, accuracy of voltage stabilizers of alternating currents, roentgenoscopy and spectral analysis of metals and alloys.

Card 1/4

Problems in Mechanics and Physics

SOV/4312

No personalities are mentioned. Some of the studies include bibliographies of Soviet technical literature.

TABLE OF CONTENTS:

Foreword	3
Gevorkyan, R.G. On Space-Time Measurements in Mechanics and Physics An analysis of space-time measurements in Newton's mechanics and in the relativity theory is made. Use of the probability theory in the description of high-velocity particle motion is considered.	5
Dubasov, V.T. On the Problem of Integrability of Equations of Motion For a Heavy Rigid Body Fixed at One Point It is shown that all known (general and particular) fourth integrals of a system of corresponding differential equations are obtained from the coplanarity conditions of the following three vectors: 1) angular momentum with reference to the fixed point, 2) instantaneous angular velocity of the body rotation, and 3) radius vector.	42

Card 2/4

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000927630003-1 SOV/4312

Pryadilov, Yu.N. Effect of Load Reactance on the Accuracy of an A-C Voltage Stabilizer With a Saturation Choke
A theoretical analysis of factors causing additional error in high-precision a-c voltage stabilizers is made. It was shown analytically and proved experimentally that the load reactance is such a factor in stabilizers with saturation chokes and with diode bridges.

Kurdinovskiy, Yu.P. Use of X-Ray Spectroscopy for the Determination of Inclusions in Steel
This paper describes a method of studying inclusions in steel by means of x-ray spectrograms. This method was originally introduced at the metallurgical zavod im. Vladimira Il'icha (Metallurgical Plant imeni Vladimir Il'ich) by the author.

Vvedenskiy, L.Ye. Improving the Accuracy of Spectral Analysis of High Concentrations by the Method of Overlapping Spectra
It is shown that the accuracy of alloy analysis at high concentrations of the analysis element can be increased approximately 1 1/2-2 times by the application of the overlapping spectra method.

Card 3/4

Problems in Mechanics and Physics

SOV/4312

Vvedenskiy, L.Ye. Reflecting Spectrograph-Monochromator for the Visible and Ultraviolet Region of the Spectrum Designed in Accordance With the Two Mirror Scheme

63

This paper describes an optical scheme and design of a reflecting spectrograph-monochromator for convenient use with photoelectric methods of analysis. The author thanks Professor V.K. Prokof'yev, and S.A. Ukholin.

Vvedenskiy, L.Ye., and V.I. Shekhobalova. Arc of an Alternating Current as a Light Source for Spectral Analysis of Molten Metals

68

This paper examines problems relating to spectral analysis of metals in the molten state when the effect of structure, liquation, and sparking is considerably weakened. In this connection the suitability of the arc of an alternating current as a source of light is under consideration.

Vvedenskiy, L.Ye., and V.I. Shekhobalova. Condensed Spark as a Light Source for Spectral Analysis of Molten Metals

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The obtained data lead to the following conclusions: 1) The condensed spark is one of the best light sources for spectral analysis of molten samples; 2) Spectral analysis of molten metals, due to the absence of the sparking, liquidation, and third element effects, is free of the systematic errors associated with solid state metals and gives more accurate results than the solid samples at the same reproducibility.

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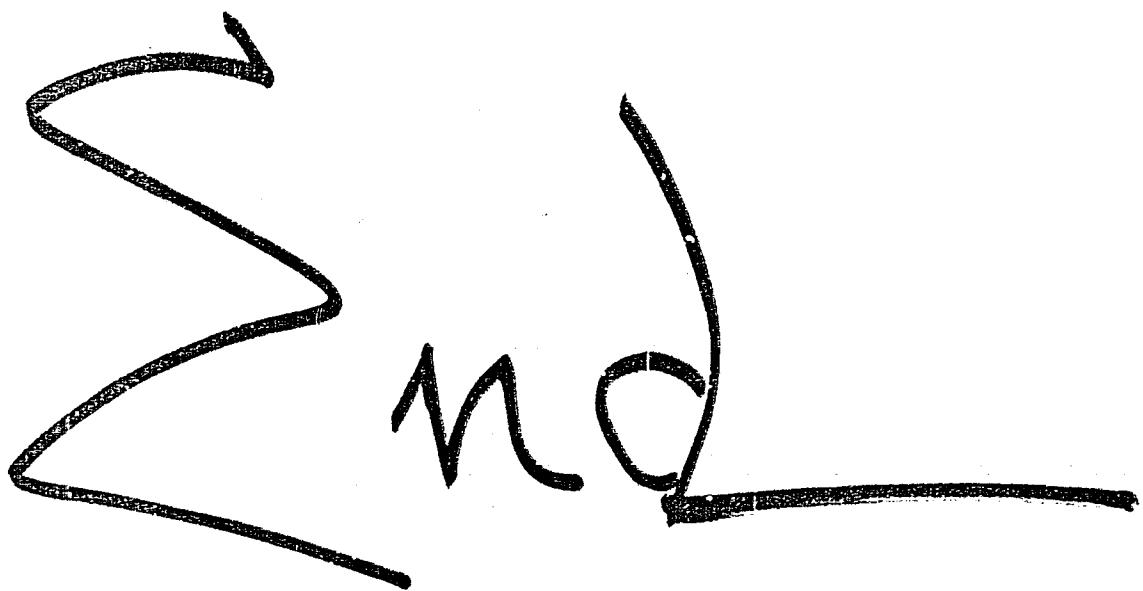
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Kupchinskiy, P.
to

Kurdinovskiy, Yu.P.

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A large, hand-drawn black arrow points from the left towards the right. Below the arrow, the letters "NO" are written in a bold, cursive font. A horizontal line extends from the end of the arrow to the right, ending with a short vertical tick mark.

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